



US008425597B2

(12) **United States Patent**  
**Glick et al.**

(10) **Patent No.:** **US 8,425,597 B2**  
(45) **Date of Patent:** **Apr. 23, 2013**

(54) **ACCOMMODATING INTRAOCULAR LENSES**

(75) Inventors: **Robert E Glick**, Lake Forest, CA (US);  
**Daniel G Brady**, San Juan Capistrano,  
CA (US)

(73) Assignee: **Abbott Medical Optics Inc.**, Santa Ana,  
CA (US)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 39 days.

(21) Appl. No.: **12/617,417**

(22) Filed: **Nov. 12, 2009**

(65) **Prior Publication Data**

US 2010/0057203 A1 Mar. 4, 2010

**Related U.S. Application Data**

(63) Continuation of application No. 11/329,276, filed on  
Jan. 9, 2006, which is a continuation of application No.  
10/234,801, filed on Sep. 4, 2002, now abandoned,  
which is a continuation-in-part of application No.  
09/390,380, filed on Sep. 3, 1999, now Pat. No. 6,616,  
692.

(60) Provisional application No. 60/132,085, filed on Apr.  
30, 1999.

(51) **Int. Cl.**  
**A61F 2/16** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **623/6.34; 623/6.37**

(58) **Field of Classification Search** ..... 623/6.34  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,483,509	A	2/1924	Bugbee
2,129,305	A	9/1938	Feeinbloom
2,274,142	A	2/1942	Houchin
2,405,989	A	6/1946	Beach
2,511,517	A	6/1950	Spiegel
2,834,023	A	5/1958	Lieb
3,004,470	A	10/1961	Hans
3,031,927	A	5/1962	Wesley
3,034,403	A	5/1962	Neeffe
RE25,286	E	11/1962	de Carte

(Continued)

**FOREIGN PATENT DOCUMENTS**

CH	681687	A5	5/1993
EP	64812	A2	11/1982

(Continued)

**OTHER PUBLICATIONS**

English translation of Hara et al., JP 2-126847 A (May 15, 1990).\*

(Continued)

*Primary Examiner* — David H. Willse

(74) *Attorney, Agent, or Firm* — Abbott Medical Optics Inc.

(57) **ABSTRACT**

Intraocular lenses for providing accommodation include an anterior optic, a posterior optic, and a lens structure. In one such lens, the lens structure comprises an anterior element coupled to the anterior optic and a posterior element coupled to the posterior optic. The anterior and posterior elements are coupled to one another at a peripheral region of the intraocular lens. The intraocular lens may also include a projection extending anteriorly from the posterior element that limits posterior motion of the anterior optic so as to maintain a minimum separation between anterior optic and an anterior surface of the posterior optic.

**5 Claims, 3 Drawing Sheets**

